

Name: \_\_\_\_\_ Due on \_\_\_\_\_

**Pre-Algebra Study Guide: Test 1  
Chapter 1**

Test on \_\_\_\_\_

*Directions:* To aid you in your study process, use these practice problems to review and assess yourself on your knowledge of certain concepts. You are responsible for all the material in the sections, not just the concepts represented by these problems. Solutions to the study guide will be gone over in class.

**COMPLETE ON SEPARATE PAPER**

**1-1**

Write a variable expression for each word phrase:

1. 23 more than F      2. G divided by 34      3. Product of p and 9      4. 18 less than t

**1-2**

Simplify each expression

5.  $27 - 16 + 3$       6.  $70 \div [5(3+4)]$       7.  $9 + 6[15 \div 3 + (11 - 5)]$       8.  $17 - 8 + 9 - 3 + 4$

**1-3**

Evaluate each expression for  $x = 4$ ,  $y = 6$ , and  $z = 12$

9.  $2x - 8$       10.  $3(z + y)$       11.  $4y - z + (z \div x)$

**1-4**

12. On Monday the average temperature for  $-10^{\circ}\text{F}$ . On Tuesday it was  $-15^{\circ}\text{F}$ . On Wednesday it was  $-13^{\circ}\text{F}$ . On Thursday it was  $0^{\circ}\text{F}$ .

- a. Graph the temperatures on a number line  
b. Write the days in order from coldest to warmest.

13. Define absolute value. Which has a greater absolute value  $-9$  or  $5$ ?

**1-5**

14.  $-12 + (-31)$       15.  $7 + (-18)$       16.  $19 + (-9)$

**1-6**

17.  $-7 - 4$       18.  $-62 - (-59) - 24$       19.  $9 - (-5)$

**1-9**

20.  $7(-6)$       21.  $250 \div (-50)$       22.  $-6(-17)$

**1-10**

Graph on a coordinate plane:

23. Graph the following points:  $(-1, 2)$ ,  $(-1, -4)$ ,  $(4, 2)$ ,  $(4, -4)$

Now find the length, width, area, and perimeter.

If you would like additional practice, go to the wikispace and click on the link to the textbook websites. There is a practice chapter test as well as quizzes for each lesson.

Review quizzes, homework, and vocabulary in preparation for your test!